

Field Corn Seed Treatment Trial 2014

Location: Selbyville, DE

Planting Date: May 9 ( 50% emerged May 16 )

Harvest Date: October 1

Plot size: 4 row wide x 25 ft long ; 30 inch row spacing; 4 reps in a RCB design

Vigor Rating at 7, 14, 21 and 28 days after emergence (DAE) for all treatments - 5

Treatment	Rate/Unit	Stand Count per 2 rows ( 50 ft of row) <sup>1</sup>				
		May 19 3 DAE	May 23 7 DAE	May 30 14 DAE	June 6 21 DAE	June 13 28 DAE
DPX E2Y45	250/UAT	65.75a	66.75a	65.00a	65.00a	61.75a
DPX E2Y45	500/UAT	64.50a	66.50a	65.50a	64.75a	63.00a
DPX E2Y45	750/UAT	65.00a	65.25a	64.25a	64.50a	61.75a
DPX E2Y45 + Cruiser	250/UAT+ 250/UAT	64.25a	64.00a	63.50a	63.75a	61.75a
DPX E2Y45 + Cruiser	500 UAT + Cruiser	65.00a	65.75a	65.25a	64.25a	62.50a
Poncho Votivo	1250/UAT	66.50a	66.00a	66.75a	65.75a	64.75a
Poncho	500/UAT	63.50a	63.75a	63.50a	63.25a	61.50a
Cruiser	250/UAT	65.25a	65.75a	65.25a	62.50a	60.25a
Untreated	-----	66.00a	67.50a	65.00a	65.50a	63.00a

<sup>1</sup> Means in the same columns followed by the same letter are not significantly different (Tukey's; P=0.05).

Treatment	Rate/Unit	Yield Oct 1 BU/A	Percent Wireworm Damaged Plants <sup>1</sup>			
			May 23 7 DAE	May 30 14 DAE	June 6 21 DAE	June 13 28 DAE
DPX E2Y45	250/UAT	246.16a	0.75a	3.86a	8.10a	2.43a
DPX E2Y45	500/UAT	296.80a	2.26a	1.92a	3.53ab	2.00a
DPX E2Y45	750/UAT	269.24a	0.39a	1.57a	3.11ab	1.98a
DPX E2Y45 + Cruiser	250/UAT+ 250/UAT	279.38a	0.00a	1.19a	4.70ab	4.75a
DPX E2Y45 + Cruiser	500 UAT + 250/UAT	285.18a	0.39a	0.39a	4.00ab	3.52a
Poncho Votivo	1250/UAT	299.49a	0.00a	0.00a	0.81ab	0.36a
Poncho	500/UAT	276.41a	0.00a	1.16a	0.39b	0.81a
Cruiser	250/UAT	274.79a	0.00a	0.00a	7.19ab	7.12a
Untreated	-----	252.20a	0.00a	0.79a	3.79ab	2.62a

<sup>1</sup> Means in the same columns followed by the same letter are not significantly different (Tukey's; P=0.05).

Treatment	Rate/Unit	Number Wireworm Larvae per 10 Plants		
		May 30 14 DAE	June 6 21 DAE	June 13 28 DAE
DPX E2Y45	250/UAT	1.50a	3.00a	0.50a
DPX E2Y45	500/UAT	1.00a	3.50a	1.00a
DPX E2Y45	750/UAT	1.00a	1.25a	0.75a
DPX E2Y45 + Cruiser	250/UAT+ 250/UAT	0.25a	3.50a	0.50a
DPX E2Y45 + Cruiser	500 UAT + 250/UAT	1.75a	2.75a	0.25a
Poncho Votivo	1250/UAT	0.00a	0.25a	0.00a
Poncho	500/UAT	0.25a	0.25a	0.00a
Cruiser	250/UAT	0.50a	1.50a	0.00a
Untreated	-----	1.50a	1.75a	0.25a

<sup>1</sup> Means in the same columns followed by the same letter are not significantly different (Tukey's; P=0.05).